- 1
- ² Topics for Phone-In Session
 - > Part 1 Strategic Plan
 - Background
 - . New Process & New Features
 - Framework for Action

> Part 2 - California Water Today

- Water Conditions
- Challenges
- · Current Responses

> Part 3 - Preparing for the Future

- 2030 Scenarios
- Strategies for Diversifying Water Portfolios

➤ Part 4 – Closing Remarks

- · Additional Public Comment Period
- Schedule, Public Workshops & Submitting Comments

₃ ■ Background

4 The California Water Plan

- > First published in 1957 as Bulletin 3
- > Updated 7 times (Bulletin 160); last one in 1998
- > Previous Updates identified a supply-demand gap and ways to "fill the gap"
- ➤ Growing interest by Legislature and stakeholders in update process and more comprehensive content

⁵ Key Purposes of Water Plan

- > Framework for California Water Policy
- > Resource for Water Community
 - · Current supplies and water uses
 - · Future scenarios and potential water demands
 - Information on management strategies for developing local plans and implementing solutions

> Important Footnotes

- No mandates; No spending authorizations
- · Not project or site specific; No CEQA
- New Process&New Features
- 7 New Process

> Have open & transparent public process

· Website, meetings, share interim products

> Seek collaborative recommendations

 65-person Advisory Committee & 350-person Extended Review Forum

> Prepare a strategic plan

• Strategic planning guidelines

8 New Features

➤ Water Portfolios

 Hydrologic cycle & water quality with over 80 data categories for 1998, 2000 & 2001

➤ Regional Reports

 Setting, challenges, goals, planning efforts & water portfolio

9 □ New Features

➤ Multiple Future Scenarios

• Plausible yet different base conditions to plan for uncertainties & risks

> 25 Resource Management Strategies

Tools for water managers & resource planners to ...

10 Water Plan Update Organization

- > Water Plan Highlights (Brochure w/ CD-Rom)
- ➤ Vol. 1 > Strategic Plan
- ➤ Vol. 2 > 25 Resource Management Strategies
- ➤ Vol. 3 > 12 Regional Reports
- > Vol. 4 > Reference Guide (60+ online articles)
- > Vol. 5 > Technical Guide (Online documentation)

□ Strategic Plan

A Framework for Action

12 Strategic Plan Overview

13 Water Plan Vision

California's water resource management preserves and enhances public health and the standard of living for Californians; strengthens economic growth, business vitality, and the agricultural industry; and restores and protects California's unique environmental diversity.

14 Water Plan Mission

To develop a strategic plan that guides State, local, and regional entities in planning, developing, and managing adequate, reliable, secure, affordable, and sustainable water of suitable quality for all beneficial uses.

15 Water Plan Goals

Intended Outcomes

- > State government supports good water planning and management through leadership, oversight & public funding.
- > Regional efforts play a central role in California water planning and management.
- > Water planning and urban development protect, preserve, and enhance environmental and agricultural resources.
- > Natural resource and land use planners make informed water management decisions.
- > Water decisions are equitable across all communities.

16 Recommendations

- > 14 policy recommendations
 - · Highlights & Volume 1
- > Specific recommendations for implementing resource management strategies
 - Volume 2

17 Implementation Plan

- > Action Plan for each Recommendation
 - · Near-term actions
 - Long-term comprehensive actions
- > Intended Outcomes
- > Resource Assumptions
- > Implementation Challenges
- > Performance Measures

18 Framework for Action

Sustainable & Reliable Water in 2030

19 Foundational Action

Use Water Efficiently

- > Increase urban and agricultural water use efficiency
- ➤ Increase recycling & reuse
- > Reoperate facilities to improve efficiencies
- > Facilitate transfers to avoid regional shortages
- > Eliminate groundwater overdraft

20 Foundational Action

Protect Water Quality

- > Protect supply sources from contamination
- > Explore new treatment technologies
- > Match water quality to use
- > Improve runoff management
- > Improve watershed management

21 Foundational Action

Support Environmental Stewardship

- > Integrate ecosystem restoration with water & land use planning
- > Restore aquatic ecosystems
- > Minimize alteration of ecosystems
- > Protect public trust resources
- > Integrate flood management with supply management

22 Initiative 1

Implement Integrated

Regional Water Management

- > Foster regional partnerships
- > Develop integrated regional water management plans
- > Diversify regional water portfolios using mix of strategies

²³ ☐ Initiative 2

Improve Statewide Water Management Systems

- > Maintain aging facilities
- > Implement CALFED Program
- > Improve flood management
- Sustain the Sacramento-San Joaquin Delta
- > Implement Statewide Water Management Programs

24 Essential Support Activities

- > Provide effective State leadership, oversight & assistance
- > Clarify State, federal and local roles & responsibilities
- > Develop funding strategies & clarify role of public investments
- > Increase tribal participation and access to funding
- > Ensure Environmental Justice across all communities
- > Adapt for global climate change impacts
- > Invest in new water technology

- > Improve water data management and analysis
- > Increase scientific understanding

Discuss & Comment Items (A) & (B)

²⁶ ■ CaliforniaWaterToday

²⁷ General Findings

- > Statewide perspective:
 - Meet most water management objectives in most years.
- > Local perspective:
 - Significant water supply and quality challenges persist.
- > Most urban areas have supplies for existing population;
 - Except in multiyear droughts.
- ➤ Most agricultural water demands are met in average years; Some growers forgo planting when lacking a firm supply.
- > Considerable water is dedicated to restoring ecosystems;
 - Environmental requirements are not always met.

28 California Water Balance

for 1998, 2000 & 2001

29 Statewide Challenges

- > Dry-Year Challenges
- > People Without Clean and Safe Drinking Water
- > Contamination of Surface Water and Groundwater
- > Groundwater Overdraft
- > Deferred Maintenance and Aging Facilities
- > Flood Management
- > Delta Vulnerabilities
- > Global Climate Change
- > Water and Energy
- > Tribal Water Rights
- > Environmental Justice

30 Current Responses

- > Regional Response
 - · Integrated Regional Water Management
 - Coordination of Water and Land Use Planning

> Statewide and Interregional Response

- · Programs and Planning
- Task Forces and Advisory Panels
- · State Bulletins and Reports
- · Water Bonds
- > Federal Planning (Water 2025)

Discuss & Comment Items (C)

32 ■ Preparing for the Future

33 3 Scenarios for 2030

Plausible Yet Different Baseline Futures

- 1 ➤ Current Trends
 - > Less Resource Intensive
 - ➤ More Resource Intensive
- 2 ✓ Recent trends continue into the future
 - ✓ Population growth at current trends
 - ✓ Higher agric. & industrial production
 - ✓ More water for the environment
 - ✓ More background water conservation
 - ✓ Higher population growth
 - ✓ Higher agric. & industrial production
 - ✓ Hold Environ. water at 2000 level
 - ✓ Less background water conservation
- 34 3 Scenarios for 2030

Key Assumptions Affecting Water Demand

- 35 3 Scenarios for 2030
 Key Assumptions Affecting Water Demand
- Scenario Demand Changes by Region
- 37 Statewide Scenario Demand Changes by Sector

38 | Statewide Scenario Demand Changes Plus Groundwater Overdraft 39 Scenario Demand Changes by Region ⁴⁰ ■ Diversifying Water **Portfolios** ⁴¹ Resource Management Strategies 42 Strategy Narratives in Vol. 2 ➤ Definition > Current level of implementation > Benefits and implementation potential by 2030 > Implementation cost > Implementation challenges > Recommendations to remove challenges 43 Strategies Provide Multiple Benefits 1. Reduce Water Demand 2. Improve System Efficiency 3. Increase Operational Flexibility 4. Augment Water Supply 5. Increase Drought Resiliency 6. Reduce Groundwater Overdraft 7. Improve Flood Management 8. Practice Resource Stewardship 9. Enhance In-stream, Riparian or Terrestrial Habitats 10. Improve Drinking Water Quality 11. Improve Ambient Water Quality 12. Reduce Pollution 13. Reduce Drainage & Tailwater 14. Reduce Energy Usage or Increase Generation 15. More Recreational Opportunities ⁴⁴ Range of Water Supply Benefits 45 Discuss &

Comment

Items (D) & (E)

- Additional Public Comments
- 47 Schedule,
 Public Workshops &
 Submitting Comments
- ⁴⁸ Production Schedule
 - Public Review Draft
 Public Review Draft
 - ➤ Public Workshops
 - ➤ Final Water Plan
 - 2 April 2005
 - June 2005
 - Fall 2005
- 49 11 Public Input Workshops & 2 Phone-In Sessions in June
 - 1 ➤ Eureka
 - > Redding
 - ➤ Sacramento
 - ➤ Oakland
 - ➤ Tracy
 - > Fresno
 - ≥ Bakersfield
 - ➤ San Luis Obispo
 - ➤ Los Angeles
 - ➤ Coachella
 - ➤ San Diego
 - ➤ 2 Evening Phone-In Sessions
- ⁵⁰ 7 Ways to Comment

April 13 - July 22, 2005

- 1. Public Input Workshops
- 2. Phone-In Sessions
- 3. On-line Comment Form

- 4. Email
- 5. Snail Mail
- 6. Fax
- 7. Phone

51 Bridging Water Plan 2005 & 2010

A Continuous Planning Process

- > Phase 1 -- Ended April 2005
 - Public Review Draft of Water Plan 2005
 - Present a new analytical approach to prepare for the future
- > Phase 2 -- Ends December 2005
 - Receive public comments & release Final Water Plan 2005
 - Begin new water portfolio years & updating regional reports
 - Work plan to improve information exchange and quantify scenarios
- > Phase 3 -- Begins Spring 2006 (Water Plan 2010)
 - Initiate new public process
 - Begin quantitative studies for scenarios & responses
- 52 Credits
- 53 Thank You!